

Name of Work :- (Package No. 11) Resurfacing & Strengthening of Various Roads of Taluka Nakhatrana District Bhuj-Kachchh under MMGSY Program-2025-2026 (Normal) (Total 2 Roads, Length 3.20 Km.)

SCHEDULE FOR TESTING OF MATERIALS

For ensuring quality control and workmanship, various tests prescribed below for materials shall be taken at periodical intervals as stipulated below.

The material should be tested in GERI or Private laboratory approved by Govt. of Gujarat. Bill for testing charges should be paid Govt.

Item No. as per Schedule 'B'	Brief Description of materials to be tested.	Qty. of Materials	Unit	Prescription of test which shall be carried out	Frequency @ which test shall be carried out	Total Nos of test to be taken
1	2	3	4	5	6	7
1	B.T. metal 53 mm to 26.5mm	20.30	Cum	*Gradation test	1 to 100 - cum. 1 test	1
				*Impact Value	100 to 500 - cum. 3 test	
				*Flakiness Index of	500 to 1500 - cum. 5 test	
					1500 to 5000 - cum. 7 test	
2	B.T. metal 26.5mm to 4.75mm	26.10	Cum	*Gradation test	1 to 100 - cum. 1 test	1
				*Impact Value	100 to 500 - cum. 3 test	
				*Flakiness Index of	500 to 1500 - cum. 5 test	
					1500 to 5000 - cum. 7 test	
3	2.36 mm below	11.60	Cum	*Gradation test	1 to 100 - cum. 1 test	1
				*Impact Value	100 to 500 - cum. 3 test	
				*Flakiness Index of	500 to 1500 - cum. 5 test	
					1500 to 5000 - cum. 7 test	
4	B.T. metal 45mm to 63mm	73.81	Cum	*Gradation test	1 to 100 - cum. 1 test	1
				*Impact Value	100 to 500 - cum. 3 test	
				*Flakiness Index of	500 to 1500 - cum. 5 test	
					1500 to 5000 - cum. 7 test	
5	B.T. chips 25 to 40 mm	294.50	Cum	*Gradation test	1 to 100 - cum. 1 test	3
				*Impact Value	100 to 500 - cum. 3 test	
				*Flakiness Index of	500 to 1500 - cum. 5 test	
					1500 to 5000 - cum. 7 test	
6	B.T. chips 10mm to 20mm	247.90	Cum	*Gradation test	1 to 100 - cum. 1 test	3
				*Impact Value	100 to 500 - cum. 3 test	
				*Flakiness Index of	500 to 1500 - cum. 5 test	
					1500 to 5000 - cum. 7 test	
7	B.T. chips 6mm to 10mm	35.34	Cum	*Gradation test	1 to 100 - cum. 1 test	1
				*Impact Value	100 to 500 - cum. 3 test	
				*Flakiness Index of	500 to 1500 - cum. 5 test	
					1500 to 5000 - cum. 7 test	

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1	2	3	4	5	6	7
8	B.T.Kapchi 20 to 25mm	175.80	Cum	*Gradation test	1 to 100 - cum. 1 test	3
				*Impact Value	100 to 500 - cum. 3 test	
				*Flakiness Index of	500 to 1500 - cum. 5 test	
					1500 to 5000 - cum. 7 test	
9	B.T.Kapchi 12 to 20 mm	193.38	Cum	*Gradation test	1 to 100 - cum. 1 test	3
				*Impact Value	100 to 500 - cum. 3 test	
				*Flakiness Index of	500 to 1500 - cum. 5 test	
					1500 to 5000 - cum. 7 test	
10	B.T.Kapchi 10 to 12 mm	123.06	Cum	*Gradation test	1 to 100 - cum. 1 test	3
				*Impact Value	100 to 500 - cum. 3 test	
				*Flakiness Index of	500 to 1500 - cum. 5 test	
					1500 to 5000 - cum. 7 test	
11	B.T. chips 13.2mm	7.32	Cum	*Gradation test	1 to 100 - cum. 1 test	1
				*Impact Value	100 to 500 - cum. 3 test	
				*Flakiness Index of	500 to 1500 - cum. 5 test	
					1500 to 5000 - cum. 7 test	
12	B.T. Grit 6mm	133.86	Cum	*Gradation test	1 to 100 - cum. 1 test	3
				*Impact Value	100 to 500 - cum. 3 test	
				*Flakiness Index of	500 to 1500 - cum. 5 test	
					1500 to 5000 - cum. 7 test	
13	Supplying of Hard murrum	301.60	Cum	*Gradation,CBR	One test per work	One test per work
14	Supplying of Sand	104.00	Cum	*Silt Content,F.M	One test per work	"
15	Stonedust	150.98	Cum	*Gradation	One test per work	"
16	Selected Soil for Embankment	0.00	Cum	P.I., CBR, MDB		-
17	Natural GSB	58.00	Cum	*Gradation, P.I, CBR		"
18	Asphalt (VG-30)	60.00	M.T.	Viscosity Test	Tanker test in Geri Lab. Only	2
				as per I.S. 1206	Up to 10 1	
					11 to 20 2	
					20 to 50 3	
					Above 50 one per Tanker	
				Ductility Test	As per I.S. 1208	
				Specification Gravity test	As per I.S. 1202	
				Softening point test	As per I.S. 1204	

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1	2	3	4	5	6	7
				Quality of binder test	3 test per 2 tankers on plant site.	
19	Tack Coat	0.00	Sqmt	*Binder Temperature for application	Irregular close in intervals	
				*Rate of spread of Binder.	2 test per Day.	
20	Carpet & Seal Coat. Mix			Grading	One Test on Individual	
				Temperature of binder in Boiler aggregates in the dryer and mix at the time of laying and rolling. (Binder content vide 45/MD. 2172)	Constituents and mixed aggregates from the dryer for each 100 tonnes of mix subject to minimum of two tests per plant per day. One Test for each 100 tones of mix subjects to minimum of two per Day.	
				Rate of Spreaded mix materials.	Regular control through checks on layer thickness.	
21	Cement (OPC)	89.00	M.T.	*Consistency, Soundness	1 test @ 50.0 M.T. 100 T 2 tests,	2
				*Setting time, Fineness Test	200 T 3 tests, 300 T 4 tests, 500 T 5 tests,	
				*Compressive Strength.	800 T 6 tests, 1300 T 7 tests & 8 tests for large consingment.	
22	Steel (TMT)	2.00	M.T.	*Tensile, (TMT)	As per Manual of Quality Control	1
				Yield	1 test/40 tonnes / per category	
				*Elongation		
				Size		
23	C.C.Cube Test 1:2:4			*Compressive Strength.	1 to 5 cmt - 1 No	
	M200	62.00			6 to 15 cmt - 2 No	5
	M150	90.00			16 to 20 cmt - 3 No	5
	C.C. 1:4:8	0.00			20 to 50 cmt - 4 No	0
	M-100	172.00			51 to above - 4+1 additional sample for each 50 cu.mt. Or part there of	7
24	Retro Reflective Sheeting for the signage	49.00	Nos.	as per Test schedule attached GR SOR/1018/715/Part file/C-1 Dtd.4/6/19		
25	Road studs / Cat Eyes	0.00	Nos.	as per Test schedule attached GR SOR/1018/715/Part file/C-1 Dtd.4/6/19		
26	Hot Applied Thermoplast Road Marking	0.00	Sqmt	as per Test schedule attached GR SOR/1018/715/Part file/C-1 Dtd.4/6/19		

Note (1) :- In case of excess in quantity. Further more test shall be carried out as per required frequency.

Note (2) :- Apart from above listed materials for carrying out various tests during Road / Structure Construction works, if any other than above mentioned material/s are to be used during road / structure construction work then it must be tested as per prevailing criteria of Govt. of Gujarat (R & B Deptt.) and necessary tests should be carried out as per prevailing norms.

Signature of Contractor

Deputy Executive Engineer

Executive Engineer

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Panchayat (R & B) Sub Division
Nakhatrana

Panchayat (R & B) Division
Bhuj - Kachchh